

IN THE CLAIMS

Please cancel claims 1-3.

Please add new claims 12-18.

12. A method for identifying an agonist or an antagonist of a SP168 receptor defined by the amino acid sequence set forth in SEQ ID NO: 2, comprising:

- (a) contacting the SP168 receptor in the presence of a known amount of a labeled SP168 receptor ligand with a sample to be tested for the presence of an agonist or an antagonist of the SP168 receptor; and
- (b) measuring the amount of the labeled SP168 receptor ligand specifically bound to the SP168 receptor;

whereby the agonist or the antagonist of the SP168 receptor is identified by measuring a difference in binding of the labeled SP168 receptor ligand to the SP168 receptor in the presence of the sample as compared to what would be measured in the absence of the sample.

- B²
- 13. The method of claim 12 wherein the SP168 receptor ligand is ADP.
 - 14. The method of claim 12 wherein the SP168 receptor ligand is ADP β S.
 - 15. The method of claim 12 wherein the SP168 receptor ligand is 2-MeS-ADP.
 - 16. The method of claim 12 wherein the SP168 receptor ligand is 2-MeS-ATP.
 - 17. The method of claim 12 wherein the SP168 receptor ligand is 2-Cl-ATP.
 - 18. The method of claim 12 wherein the SP168 receptor ligand is ATP γ S.

REMARKS

As suggested by the Examiner, the title has been changed to more accurately reflect the presently claimed subject matter. The specification has also been amended to correct a typographical error.

STATUS OF CLAIMS

Claims 1-3 have been cancelled. Claims 12-18 have been added. Support for these added claims can be found throughout the specification and in the originally filed claims. For example, the subject matter of Claims 1 and 3 has been incorporated into Claim 12. Likewise, the subject matter of Claim 2 has been incorporated among Claims 13-18. No new matter has been added by these claim amendments.

Applicants attach Appendix A with the newly revised claim set, primarily for the Examiner's convenience.

In addition, Applicants attach Appendix B which is a marked-up version of the changes made to the claims by the current amendments.